SCIENCE AND MECHANICS.

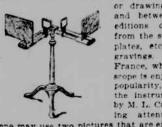
TO GENERATE ELECTRICITY CHEAPLY.

A THERMO-ELECTRIC BATTERY WHICH IS SAID TO BE AN IMPROVEMENT ON THE STEAM

ENGINE AND DYNAMO. When a plate of copper and a plate of zinc are

ording to "The Hartford Times," between the metal casing and

magnify a photograph or other picture, but make whereby a much more lifelike effect is produced. ment must also be credited with a good deal of prac-



to but greater than the interval between the two

eyes.

The apparatus of M. Cazes is partially represented herewith. There are two small and two large flat mirrors mounted so that the latter are parallel to the former. The large mirrors may be slid along the supporting bars, in order to adapt them to the the supporting bars, in order to adapt them to the varying requirements of their work. If the instrument be placed as shown, the person using it would sit with his back toward us and his eyes looking into the two small mirrors. On the further side would be arranged a contrivance something like a music-stand, wide enough to support two photographs or small eigravings side by side, a few inches apart, facing this way and upright. The picture to the right would be reflected in the large mirror on that side; the image would then be thrown on to the small mirror, and so into the right eye of the observer, while the left-hand picture would in a similar mauner reach the left eye. As with the common stereoscope, the two images would merge and be perceived as one if the adjustments were all correct. The use of spectacles, the proper strength of which for various conditions is indicated in a table of figures sold with the apparatus, is recommended.

AN IMPROVED REFRIGERATING CAR. THE APPARATUS EASILY CLEANED-ABSORBING FOUL GASES WITH WATER.

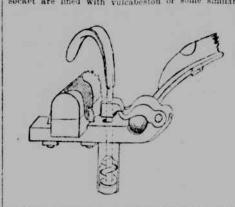
The perishable character of meat and much other merchandise shipped by fail and water routes now-adays makes necessary some sort of refrigerating devices for use in connection therewith. In an improved system of cooling freight cars, lately pat ented by a resident of Rochester, N. Y., the ap-paratus is arranged in the ends of the car, and the various parts are portable, and pull out with handles like a series of desk drawers. In the hollow space within there are gridiron slides, supporting the ice; and the warm air of the car enters openings at the top and filters down through the various passages to the bottom, where it is forced outward briskly by gravity. Beneath the ice is a set of metallic "baffling platea," so arranged as to catch the drip-water and retard its progress downward. The fluid falls on one, runs through holes therein or off the falls on one, runs through holes therein or off the upper surface, and then drops to the next one. Thus an extensive wetted surface is exposed to the air during its movement, with the double object of enhancing the cooling effect and making the water absorb any foul gases that may be present. All the gridirons, trays and other attachments may be removed easily for cleaning at the end of a trip; but while the car is in service they are locked in place so as not to be disturbed by the motion of the car. The fixed portion of the apparatus, too, is removable in sections for cleaning and repair. The inventor claims that his plan requires less ice, and leaves a foot more space for freight in the length of the car, than other systems now in use do. Loading capacity is an important consideration with shippers, and any possible gain in this respect without a sacrifice of efficiency would be of distinct merit in any refrigerating car.

JOE'S BALL-JOINT CARRIAGE SHACKLE. ANOTHER ATTEMPT TO GET A NOISELESS, DUR-ABLE, DIRTPROOF COUPLING.

It is often desirable to detach from a light cartiage a pair of shafts and substitute a pole. In a livery stable, it is an advantage to be able to do this quickly. Then too, whether one drives a single horse or a team, he does not want the connections between shafts or pole and the forward axle to rattle, set full of dirt or wear out quickly. Hence the need of a carriage shackle that may be instantly fastened or released, that will exclude dirt, that will remain noiseless and that will stand hard usage. Builders and users of road vehicles are familiar.

all these qualities; and probably there is none in use which could not be improved upon. It is possible, therefore, that the ball-joint shackle of Cetius E. Joe, just now of New-York City, may prove upon examination to be the best thing of its kind yet in

a stout pin terminating in a ball; and this rests in a cup-like, covered and hinged socket, shown here-with. Both the upper and lower halves of the



coiled spring inserted in such a way as to raise

The captive balloon which the Free

new English burner employs compressed air for the same purpose. The off is said to be partially gasified by heat before reaching the burner.

STRUGGLING WITH A MADMAN.

John and his sister-in-law, at Place. He went to bed as day night and seemed to be in good spirits. Early Sunday morning, however, John McCormick and tect differences between original manuscripts, books his wife were awakened by a blood-curdling yell from their brother's room, and Joseph, in his night-

A DINNER FOR KNICKERBOCKER COUNCIL An enjoyable dinner was given for the members of Knickerbocker Council No. 572, Royal Arcanum. on Friday evening last, at the home of Mr. J. C. urer. Among the guests were the grand regent of the Royal Arcanum, Justin F. Price, of Brooklyn; the Royal Arcanum, Justin F. Price, of Brooklyn, Past Grand Regent Curtis H. Peck, of Mamaroneck, Grand Secretary John E. Hearit, of the American Legion of Honor; Regent W. H. Monsees, of Knickerbocker Council; Collector L. L. Scovel, Secretary Thomas D. Howen, and others. At & o'clock they adjourned to the council's new quarters at the Lexington Avenue Opera House to attend the regular meeting of the council, where a presentation was made to Regent Monsees of a past regent's jewel studded with diamonds for his long and faithful service to the council.

NOT REPRIMANDED BY GENERAL M'LEWER The silly story which was industriously circulated last week to the effect that a corporal in the 12th Regiment had "talked back" to Inspector-General McLewee last Monday when the General called his attention to his untidy and unsoldierly appearance has given rise to much discussion. The story had Corporal Henderson, Captain Dyer and General Mc-Lewee on the verge of a personal encounter. It had no foundation in fact, and General McLewce was not even present when the heated talk between Capnot even present when the heated talk between Cap-tain Dyer and Corporal Henderson took place. Gen-eral McLewee, in speaking of the false report, said: "I was not a witness to the occurrence reported in the newspapers, and if I had been I know my busi-ness too well to reprimand a soldier in the way the papers said I did. My duty ends when I call the at-tention of a commanding officer to anything I find unsatisfactory, but under no consideration would I address myself directly to a man in the ranks."

THE PETROLEUM MARKET.

NEWS FROM THE FIELD AND RANGE OF PRICES. New York, May 26, 1896.
The -rude oil market suffered a reaction last week, and the closing price was at \$1.0. There was no news from the field and efforts to develop new territory, while active, were not successful. Prices for refined oil at home and abroad continue firm.

The complete rem.

Runs. Deliveries, deliveries, Charters.

Total bbls.1,451,568 1,729,838 278,350 1,132,850
Paily average. 65,980 78,633 12,653 49,254
Refined petroleum closed at the Produce Exchange at New York, Philadelphia quetations being 5 points under these faures. Foreign quotations were. London, 9d. per Imperial gallon, Antwerp, 22 francs per 100 kilos; Bremen, 7.50 marks per 50 kilos.

Co Let for Business Purposes.

AT REDUCED RENTS,—Buildings, stores, lofts and offices to let on Chambers, Spruce, Beekman, Fulton, John, Maiden Lane, Dey, Barclay, Fark Place, Park Row, Nassau, William, Gold, Cliff, Pearl, Water and many other streets.

Country Real Estate for Sale.

REAL ESTATE.

BUSINESS IN THE FIELD.

eason. On this account several large operators

or drawings and copies, and between successive editions or impressions from the same stereotype plates, etchings and engravings. Just now in France, where the stereoscope is enjoying a special popularity, a new form of the instrument, invented by M. L. Czes, is attracting attention. In this one may use two pictures that are exact duplicates, whereas the desired optical delusion is ordinarily secured by photographing the object or scene from two signily different points of view, corresponding to but greater than the interval between the two The Ward estate, in the Twelfth Ward, is about to be sold in partition, by order of the Supreme Court There are four heirs named, George Barcelay Ward, Reverley Ward, William Delancey Ward and Annie Parsons Kountze, the latter being the wife of Luther Kountze, the banker. This property includes about twenty-seven acres on Washington Heights, commanding a fine view of the Hudson River. It is penetrated by the historic Kingsbridge Road the Houlevard Lafayette, known as the French Roulevard and Fort Washington are, or Ridge Road the Houlevard Lafayette, known as the French Roulevard and Fort Washington are, or Ridge Road the Houlevard Lafayette known as the French Roulevard and Fort Washington are, or Ridge Road Thomas Barclay, the ancestor of the present owners, acquired the his family ever since. The late Susun R Ward, the mother of the present owners, was the granddaughter of Thomas Barclay. Her death occurred in 1832, it was before the accession of Queen Victoria to the throne of Great Britain, in 185, that Her Majesty's father, Edward, Duke of Kent, honored Thomas Barclay homestead, on this property, Several streets of New York City are hamed after the members of this family, such as Earclay-st., Ann-st. in memory of Annie Barclay, and Delancey-st., in honor of the Delanceys, who are related to the Barclays. The value of this estate is about \$1.08000.

Real Estate.

INSURE YOUR TITLE. Why carry the risk yourself? Why rely on any protection but the

FOR A POLICY HOLDER, THIS COMPANY 1. Defends at its own expense any suit brought against a title guaranteed by it. 2. Pays any claim established against the prop-

3. Compels an objecting purchaser to complete his contract to buy; or, if defeated in the attempt to do so, either pays the damages or takes the property off its policy holder's hands. No other system does any of these things, but leaves all the risk and loss to be borne by the

TITLE GUARANTEE AND TRUST CO 55 Liberty St., N. Y. 26 Court St., Brooklyn N. E. car, Esth St. & 7th Av., N. Y. 159 West 125th St., N. Y.

CAPITAL AND SURPLUS, \$3,000.000.

Auction Sales of Beal Estate.

RICHARD V. HARNETT & CO., Auctioneers, Will Sell at Auction WEDNESDAY, MAY 29,

At 12 o'clock, noon, at the Real Estate Exchange and
Auction Room, 59 to 65 Liberty st.

By order of Robert C. Embree and Benjamin F. Dos
Passos, executors of the estate of Thomas W. Strong, deceased. METUCHEN, NEW-JERSEY,

METUCHEN, NEW-JERSEY.

COUNTRY SEAT known as "WOODWILD," consisting of a 2-story and cellar concrete dwelling and outfulldings AND 35 ACRES of land. Photographs can be seen at the Attorney's or Auctioneers' office.

ALSO 35 ACRES in rear of above tract, with farm buildings, and 45 PLOTS OF 1 ACRE EACH, adjoining "Woodwild," which will be sold separately.

PARM OF 72 ACRES, including about 16 acres, mostly woodland, with farm buildings known as "FAIR-VIEW," within 1/4 miles from Metuchen Depot.

Also 4 ACRES of meadow land on Ratian meadows.

2 BLOCKS, comprising 31 lots and 3 cottages, near Metuchen Depot.

NEWARK, N. J.

268, 310, 212, 314, 316, 318, 329, 326, and \$28, New-Jersey.

NEWARK, N. J.

208, 310, 212, 314, 516, 318, 320, 326 and \$28 New-Jersey
Railroad Avenue, 58, 60 and 61 Tichenor St., new line,
215 and 3-story f ame houses.

OCEANVILLE, NEW-DORP, STATEN ISLAND. 460 LOTS, between New-Dorder, status SHAND, For Curs opposite George W. Vanderbilt's place.
LAWRENCE E. EMBREE, Esq., Attorney for Executors, 145 Broadway, N. Y.

Mana at Auctioneers', 71 and 73 Liberty-st.

Enrnished houses Co Cet-Country.

RUMSON ROAD—SEABRIGHT,
MONMOUTH BEACH SHREWSBUTY RIVER.
FURNISHED HOUSES FOR RENT FOR SEASON.

D. B. KEELER, JR., 9 PINE ST.

A SBURY PARK AND VICINITY.

Destrable, furnished cottages,
Modern improvements.
T. FRANK APPLIERY, opposite depot, Asbury Park, N. J.

Conntry Property Co Let.

Lake Flucid, Adirondacks. Perfect and complete pri-terimp TO LET, owners going to Europe. For par-diars apply to T. EDMUND KRUMBHOLZ, Lake and N. Y.

Ocean Steamers.

NORTH GERMAN LLOYD S. S. CO.

MEDITERRANEAN SERVICE.

HAMBURG-AMERICAN LINE, 37 Broadway, N. Y. RED STAR LINE.

SEW FORK TO ANTWERP

SAUITA COMP.

M. 26 PRIESLAND

RHYNIAND May 26 FRIESLAND WESTERNIAND June 5 RHYSIAND NOORDIAND June 18 WESTERNIAND WASSLAND June 18 NOORDIAND R. H. MAGY & CO.,

JAPAN-GHINA.

PACIFIC MAIL S. S. CO. OCCIDENTAL AND ORIENTAL S. S. CO.

or I limitery Place, Washington Building, and 287 Broadway.

CANADIAN PACIFIC BAILWAY Intended steamship sullings from Van

A ADJANCE STRAMSHIF HANES

From Now York Wed. Fri. and Sat.

DELIGHTFUL TRIP BY SEA TO THE PORTS OF
TEXAS.—GEORGIA.—FLORIDA.

STRAIGHT AND ROUND TRIP TICKETS to all points
in Texas, Colorado, Utah Arizona, California, Mexico,
etc., Georgia and Florida. Excellent accommodations.

TOURISTS TP/KETS, good for six or nine anonths.
Write for our of page Pocket Guide, Unailed free).
C. H. MALLORY & CO., Gen. Agia., Pier 20. E. R., N. T.

Public Notices.

NOTICE OF SALE OF RAILROAD FRAN-CHISES - NOTICE IS HEREBY GIVEN that the undersigned will sell at public auction on Tuesday, the 11th day of June, 1895, at 12 o'clock moon, at the office of the Comptroller, Room 13, Stewart Building, No. 280 Broad-

T. G. Eger. G. of Agt. 201 Bway. N. Y.

A. WHITE STAR LINE.

Germanic. May 29, 10 a. m. [Fernicon. July 3, 3, p. of December of the participation of the participation of the participation of the participation of the participation. July 3, 3, p. of December. June 18, 2, p. of December. July 3, 3, p. of December. June 19, 2, p. of December. July 3, 3, p. of December. June 19, 2, p. of December. July 3, 3, p. of December. Jul

etc., Georgia and Florida. Excellent accommodations.

TOURISTS TPKETS, good for six or nine anounts.

With for our of page Pocket Guilds (free).

MALIONY & CO., Gen., Agrs., Pher 20. E. R., N. T.

MALIONY & CO., Gen., Agrs., Pher 20. E. R., N. T.

MALIONY & CO., Direct to COT.

May 18th, 1855.

MAINE STEAMSHIP CO.—Direct to COT.

Sea const route to all pleasure reserts North and East. Elegant stements. Low excursion rates. Tuesday, Thurse and service. Pler 28 East River, foot Market at.

HORATIO HALLA, Agent.

NETHERLANDS LINE

Public Notices.

Pinance Department,

PUBLIC NOTICE.

OFFICE OF THE CLERK OF THE COMMON COUNCIL.

ROOM 8, CITY HALL, NEW-YORK CITY, NEW-YORK, May 7, 1898.

NEW-YORK, May 7, 1898.

CANADAN PACIFIC DALLWAY

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Counsel to the Corporation, No. 2 Tryon Row, New-York City.

PURSUANT to statutory requirement, notice is hereby given that an Act has been passed by both branches of the Legislature, entitled and worded as follows:

An act to annex to the City and County of New-York teritory lying within the incorporated villages of Wake-nett. Eastenester and Williamshridge, the town of West-chester and portions of the town of Eastenester and Pel-

chester and portions of the hair.

Further notice is hereby given that a public hearing upon such bill will be held at the office of the Mayor, in the City Hall. In the City of New-York, on May 28th 1865, at 3 p. m.

(Signed.)

WILLIAM L. STRONG.

Mayor.

PURSUANT to statutory requirement, notice is hereby given that an Act has been passed by both branches of the Legislature, entitled and worded as follows. An act for the relief of the Centenary Methodist Church, in the Twenty-third Ward of the City of New-York.

Further notice is hereby given that a public hearing upon such bill will be held at the office of the Mayor, in the City Hall, in the City of New-York, on May 28th, 1806, at 11 a. m.

(Signed.) WILLIAM L. STRONG,

WILLIAM L. STRONG, Mayor.

General Passenger Agency, 39 Broadway.

O L D D G M I N I O N L I N E.

O Seamers for NORFOLK, PORTSMOITH, OLD POINT COMPORT and NEWFORT NEWS, VIRGINIA BEACH, TON, D. C.—Mon., Tues., Wed., Thurs, and Sat., For West P FORTS, Commondation, to J JAMES RIVER.—Mon., Wed. and Sat., For West P FORTS, Commondation, to J JAMES RIVER.—Mon., Wed. and Sat., For West P FORT, VA.—Thes., Thurs, and Sat. From Pier W. I. GUILLAUDEU, Tradic Manager.

R ED "D" LINE OF STEAMERS,
S. CARACAS.—Thesia, Vine E. J. D. m.
S. S. CHACAS.—Thurs, June 27, June 38, June 27, June 38, June 27, June 38, June 28, Jun